

DOKLADY AKADEMII NAUK SSSR Vol LXXIV No. 4 (1 Oct 50)
pp 711-4.

PROJ # 7527 -

ST- 150

"Synthesis of Mathematical Machines and of Real
Objects"

G. L. Polisar

date; DEC 23 1950 -

WAK

61-12963

Zagyanov, I. L., Sameonov, G. V., and Popova, N. V.
ON THE QUESTION OF PRODUCING BORON CAR-
BIDE SINGLE CRYSTALS. [1961] 2p. 1 ref.
Order from MDF \$3.00 MDF Z-134

Trans. Academy of Sciences USSR. Doklady, 1950,
v. 74, no. 1, p. 723-724.

- I. Boron carbide--
Crystallization
1. Zagyanov, I. L.
II. Sameonov, G. V.
III. Popova, N. V.
IV. MDF Z-134
V. Friedman, Morris D.,
Inc., West Newton, Mass.

158832

Office of Technical Services

(Physics--Solid State, TT, v. 5, no. 10)

The Magnetic Susceptibility and Structure of Hydrogen Peroxide, by A. B. Neiding, I. A. Kazarnovskiy, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXIV, No 4, 1950, pp 735 - 738.

AMC F-TS-7657

Scientific - Chemistry

Feb 52 CTS

Chemical Structure of Hydrocarbons and
the Regularities in the Heats of Forma-
tion, by V. M. Tatevskiy, V. V. Korobov,
Ye. A. Menzdheritskiy, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV,
No 4, 1950, pp 743-746.

Sci
Mar 62
Vol IV, No 2

ATS-07M40R

ATS-RJ-2416

188,886

Changes in Electrical Characteristics Upon
Thermal and Dielectric Heating of Coal, by
Yu. L. Sevast'yanov, N. N. Dolgoplov, 5 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1950, Vol LXXIV,
No 4, pp 755-757.

SLA 59-18330

Sci

Feb 60

Vol 2, No 10

108,869

The Radioactivity of Potassium and the Thermal
Regime of the Earth (Condition Balance) by G. V.
Voitkevich, 8 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol
LXXIV, No 4, 1950, p 771-775.

SLA R 1668

Sci

Jul 58

68, 216

A Study of the Decoloration of Methylene Blue Under
the Influence of Roentgen Rays, by I. L. Shekhtman,
A.A. Krasnovskii, and I. V. Vereschinskii.

Full translation.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol LXXIV, No 4,
pp 767-779, 1950.

AEC Tr 1215

Scientific - Chemistry

About the Possibility of the Application of
Color Reaction on Carotinoids in Plant Tissues,
by E. V. Budnitskaya, K. E. Ovcharov, 3 pp.

RUSSIAN, per, Dok Ak Nauk BSSR, Vol LXXIV,
1950, pp 779, 780.

AEC UCRL-Trans-108

SLA 61-15236

Sci - Phys
Apr 60

112, 964

A Comparison of the Photochemical Properties
of Chlorophyll, Pheophytin, Pheoloxanthin and
Its Magnesium Complex, by V. B. Evstigneev,
and V. A. Gavrilova.

Full translation.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol LXXIV,
No 4, APR 1950, pp 781-783.

AEC Tr 1217

Scientific - Biology

BLANTER, M. E.

Doklady akademii nauk SSSR, v. 74, 1950, #4, 791-3;
1 figure, 2 tables, 1900 words.

Concerning the Effect of an Addition of Molybdenum
on Mechanism of Austenite Transformation.

Butcher Trans, Order No. 2624, \$3.80

On the Long Flounders of the Far Eastern Seas
of the U.S.S.R., by T. S. Rass.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, 1950,
pp 855-857.

Calif Dept of Fish
and Gam~~f~~ Marine Res
Operations Lab(LOan)

Sci
Sept 64

Diffraction at the Open End of a Circularly
Cylindrical ~~Waveguide~~ Waveguide whose Diameter
is Much Greater than Wavelength, by L. A.
Vainshtein, 6 pp.

RUSSIAN, per, ⁹ Dok Ak Nauk, SSSR, Vol LXXIV,
No 5, 1950, pp 909-912.

SLA/ Sci Tr Center
RT-1485

Scientific - Physics

18,923

DOKLADY AKADEMII NAUK, NOVAYA SERIYA
Vol LXXIV, No 5, //Oct 1950 —pp 917-921

Proj No 7462

NED

"The Problem of Elements 97 and 98"

A. P. Znorko and V. I. Semishin

Date: DEC 18 1950

Sci Mus Lib. 55/2577

A.E.R.E. Trans 527

DEC 18 1950

The Natural System of Atomic Nuclei and the
Element 61 Problem, by N. A. Novosel'skays,
5 pp.

Full translation.

RUSSIAN, per, Dok Akad Nauk SSSR, No 74,
1950, pp 921-923.

Sci Mus Lib 55/2566
AEC Tr 1192

Scientific - Nuclear Physics

A.E.R.E-531

Variation of the Coefficient of Attenuation
of Light as a Function of the Variation of
the Diameters of Particles Suspended in Water,
by K. I. Ivanov.

RUSSIAN, per, Dok Ak Nauk SSSR, X Vol LXXIV,
1950, pp 8925-928.

CSIRO

Sci - Phys
Aug 62

207,433

Differentiated Outgassing of Nickel. Two-Forms of
Hydrogen Binding in a Catalyst, by L. Kh. Freyelin,
N. I. Ziminova.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIV,
No 5, 1950, pp 955-958. 74

Assoc Tech Sv
RJ-394

Sci - Chemistry

36,945

Aug 1956

\$5.95

The Question of the Chlorophyll-Protein Complex, b.
O. P. Onipova, I. V. Tlasofayeva.

RUSSIAN, three-no per, Dok Ak Nauk SSSR, Vol. LXXIV,
No 5, 1950, pp 979 - 981.

AEC Tr 1019

Scientific - Chemistry

Dec 1951 CTS

Spectral Sensitivity of Eye Receptors, by E. N.
Tutova, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXIV, No 6, 1950, USSR, pp 1069-1072.

CIA/TDD/X-1153

NAVY 2200/ON1532

Dec 1953 CTS

Sci - Physics

7566

Investigation of the Color Vision of 995 Subjects,
by G. N. Rautyan, 7 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 74, No 6, 1950,
pp 1073-1076.

Sci Museum/No 51/3312 - London

Sci-Misc

Lib

Spectral Sensitivity of the Eye at a Given Level
of Equivalent Luminance, by S. G. Yurov, 7 pp.

RUSSIAN, thric-mo Ser, Dok Ak Nauk SSSR, Vol LXXIV,
No 6, USSR, 1950, pp 1077-1080.

Mail Rec Center T1-55

CIA/FDD/X-1155

See - Physics
Dec 1953 CTS

7501

DAN - LXXIV / 6/1950

1085-1087

The Nature of Martensite Separated
Electrolytically from Hardened Steel
- M. P. Sabinov -

Proj. 7866

CD. 90254.

61-17324

SR 12/6/51

A Method of Measuring the Interphase Tension at
High Temperatures, by S. I. Popel', and P. V. Gel'd.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 6,
1950, pp 1097-1100.

REC-1-1321

Sci - Electricity

The Effect of Denaturation of Proteins on
their Coacervation With Dyes, by N. L. Fel'dman.
RUSSIAN, per, Dokl Akad Nauk SSSR, Vol LXXIV,
No 6, 1950, pp 1139-1142.
NASA TT F-10,681

Sci-B&M
mar 67

320,815

Determination of the Weight of Calamus
Finnarchicus Gm Gumer on the Basis of Body
Length Measurements, by N. N. Kamishilov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 6,
1951, pp 945-948.

HLL M 5109

Sci - Biol & Med
May 63

229,812

Characterization of Austenitic Alloys in Relation
to the Phase Diagram, by A. M. Bersdyka.

1971, three pp. ~~per~~ Dok Ak Nauk SSSR, Vol. 1220,
1971, 1970, pp 37,38. CIA 9016 K51

Brutcher 12 No 1977

1971, three pp. ~~per~~ Min/Detaile

\$1.00

15,834

Enzymatic Reaction of Transfer of Phosphate From
Adenosinetriphosphoric Acid to Ribonucleic Acid, by
S. E. Bresler, E. I. Nidzhan, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXV,
No 1, 1950, pp 79-82. CIA D 151174

NID

Scientific - Chemistry

22, 188

OTS 66/mar 1955

On the Chemism of the Reaction of the Enzymatic
Transamination of Amino Acids, by TS. D. Osipenko,
9 pp.

RUSSIAN, thrice-mo, Dok Akad Nauk SSSR, Vol LXXV,
No 1, 1950, pp 91-94.

NIE

Scientific - Biology

CTE/DEX

8373

On Sufficient and Necessary Statistics for a
Family of Probability Distributions, by E. B.
Dynkin.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXV, No 2, 1950, pp 161-164.

Morris D. Friedman *D-113*

Sci - Mathematics

37,859

Aug 1956

Relation Between the Temperature and Concentration
Quenching of Some Crystallophosphors, by Ya. M.
Zelikin, N. I. Ivanova, F. D. Klement, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXV,
No 2, 1950, pp 181-184.

CIA/FDD/X-1170

Scientific - Physics
CTS/DEX

8502

Change in the Electrical Properties of Calcite in
Connection With Its Thermal Decay, by F. I.
Kolomoitsev, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXV, No 2, 1950, pp 185-188.

CIA/FDD/X-1179

Scientific - Electronics
CTB/DEX

8511

**Diffusive Scattering of X-rays in Plastically Deformed
Single Crystals of Aluminum, by E. V. Kolontseva**

Full Translation

**RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIV, No 2, 1950,
pp 189-192.**

Sci - Physics

6-ABC Tr 1149
F.R.I. No 15
Feb 52 CTS

LUNTS, A. G.

MDF-L-116. Synthesis and analysis of relay-switching circuits using characteristic functions.

Doklady Akad. Nauk SSSR, 75, no. 2, p. 201-203, 1950.

\$3.00.

Effects of Additions of Columbium Upon Creep of
High-Strength Chromium-Nickel Steel, by A. M. Korndyke.

Met. Trans. A, 1968, ~~Vol. 1, No. 1~~, Dec. 1968, Vol. 1, No. 1, pp. 213, 214. CIA 9016951

Wavy Tr 578/MCL 339

15,835

Truocher Tr No 2045

Chromium-Nickel Steel

\$1.90

DAN Vol LXXV No 2 pp 263-266 Nov 1950

BASIC CHARACTERISTICS OF THE GEOLOGICAL HISTORY OF
TUVA A. I. Levenko

Proj. 9821

ST-361

SR 3.10.51

Polymerization in Solutions of Emulsifiers Under
the Action of Benzoyl Peroxide, by Z. N. Markina,
P. M. Khomikovskiy, S. S. Medvedev, 27 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXV,
No 2, 1950, pp 243-246.

Sci Tr Center
RT-3856

39,142

Sci - Chemistry
Sep 56 CTS/dex

The Electrical Properties of Grey Tin, by A. I. Blum,
N. A. Goryunova.

RUSSIAN, thrice ~~no ref~~, Dok Ak Nauk SSSR, Vol LXXV,
No 3, 1950, pp 367-370.

AEC Tr 373

14,925

Sci M 52/0744

Scientific - Physics

March 1951 CTS

Identification of Infrared Radiation of the Night
Sky by Vibrational-Rotational Bands of the OH
Molecule, by I. S. Shklovskiy, 7 pp.
UNCLASSIFIED

RUSSIAN, thrice per, Dok Ak Nauk SSSR, Vol LXXV,
No 3, 1950, pp 371-374.

Air Res & Dev Command
Baltimore, Md.

T-238 RU

11 394

DOK AK NAUK SSSR
Vol LXXV, No 3, Nov 1950, pp 375-78

Proj No 9356

CD No - -

"Counter Circuits Operating on Neon Lamps"

L. N. Korablev

SR Date: 11/1/51

Theoretical and Experimental Equilibrium Diagrams
of Some Simpler Binary Alloys, by Ya. E. Geguzin,
B. Ya. Pines, 7 pp.

Full translation.

RUSSIAN, Dok Ak Nauk SSSR, 1950, Vol LXXV, No 3,
pp 387-390.

Shulman Res Inst

Sci Mus Lib No 52/3248

MDF G-196

Scientific - Chemistry

27 December 1952

DAN, Vol 75, #3, pp 441-444 (1950)

"Contribution to Theory of Seepage in Underground
Workings in Conditions where Underground waters
from Several Layers are Interconnected"

N. K. Gavrilov

pg 101-4

ST - 3v4

SR 22 Oct 51

ABC-11.51

A New Method of Formation of Montmorillonite,
by S. Yussupeva. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXV, No 3,
1950, pp 445-447.

DSIR Lending Library Unit M. 199

S/A 59-19093

S21 - Chem

Apr 59

85,865

Biosphere of the Micro-Organisms at the Bottom
of the Hydrogen Sulphide Region of the
Black Sea, by A. E. Kryus, E. A. Rukyna, and
Tykhonenko, A. S., 9 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 75, No 3,
1950, pp 453-457

Sci Museum No 51/2830

Scientific

Effect of 2,4 Dichlorophenoxyacetic Acid on
Tomatoes During Variations of Mineral Nutrition,
by N. E. Skripitsyna.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXXV, 21 Nov 1950,
pp 457-460. 511 P444A

USDA Trans No 247

USSR

Scientific - Biology, growth substances, tomatoes,
mineral, nutrition

ВАН СССР, LXXV, No. 3, 1950, pp.
465-8.

S. S. Strelin, N. K. Shimidz and
Yu. S. Zil'ber, Reduction of the
Harmful Effect of X-Rays on
the Skin of Rabbits When
Irradiation is Carried Out
Through a Lead Lattice.

proj 8264

SR MAR 6 1951 ST-256

DAN LXXV no. 4 (1 Dec '50)
pp 519-522.

Proj # 7883

NED;
ST-256

"Gravitational Radiative
Frictional Force" by Ivanenko &
Bredberg

SR Date: MAR 1 1951

Wak
25 Jan 51

Subsecular Fluctuations of the Level of
Lakes in Western Siberia and Northern
Kazakhstan and Their Relationships With
Climatic Fluctuations, by A. V. Shnitnikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI,
No 4, 1951, pp 523-526.

NLL Ref: 3546 1964 (399) (loan)

May 64

Mixing Energies of Binary Metallic Systems, by ~~Va.~~ E.
Gaguzin, B. ~~Va.~~ Pines,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, VI LXXVII,
No 4, 1950, pp 535-538.

Fulmer Research Institute No 15

MDF G-197

Scientific - Physics

10,686

Beletsky, M. S.
DE STRUCTUUR VAN HET OXYDE DAT ZICH VORMT
OP HET OPPERVLAK VAN ALUMINIUM (Structure of
the oxide film formed on the surface of aluminium)
tr. by J. H. van Santen. 6p. 9 refs. MTWL: 713.
(Text in Dutch).
Order from OIS or ETC: \$1.55

61-17316

Trans. of Akademiya Nauk SSSR, Doklady, 1950,
v. 75, no. 4, p. 551-553.

DESCRIPTORS: *Aluminium, Surfaces, Aluminium
compounds, Oxides.

61-17316

I. Beletsky, M. S.
II. MTWL-713
III. Stichting Moeilijk
Toegankelijke Wetenschap
pelijke Literatuur

Office of Technical Services

New Modification of Lead Dioxide and the Texture
of Anodic Precipitates, by A. I. Zaslavskiy,
Yu. D. Kondrashov, S. S. Tolkachev, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXV, No 4, 1950, pp 559-561.

NLLM.2907
CIA/FDD/XX-102

~~CIA INTERNAL USE ONLY~~

32,495

Scientific - Chemistry Mar 56 CTS/DEX

IAC INTERNAL USE ONLY

The Influence of the Spectral Distribution of Radiant Energy on the Growth of the Strawberry and ~~Rhynchospora~~ Bryophillum, by B. S. Moshkov.

RUSSIAN, thirsa-mo par, Dok Ak Nauk SSSR, Vol LXIV, 1950, pp 593.

AEC Tr 1026

Scientific - ~~Physics~~ *Biology*

Dec 1951 CTS

Thrice Monthly Periodical
Dok Ak Nauk SSSR, No 5,
Academy of Sciences, USSR
Moscow, 1950

Table of Contents:

Scientific-Literature
Academy

USSR

Russian

UNCLASSIFIED

OQMG Tr/ QMT-28

Dec 1950 CTS

The Law of Turbulent Motion of a Fluid in Smooth Pipes, by A. D. Al'tshul'.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXV, No 5, 1950, pp 617-620.

AEC Tr 959

Sci Tr Center R948

Scientific - Engineering

Nov 1951 CTS

1

12,770

A. Chromospheric Telescope, by G. D. Tolle, L. A.
Prokof'yeva, M. S. Engelson, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXV, No 5,
1950, pp 629-630.

ATIC F-TS-9617/V

Sci - Phys
Mar 59

82, 844

Hall Effect in Indium, by E. S. Borovik, 5 pp.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXXV, No 5,
1950 , pp 639-641.

SLA Tr R-871

Sci - *Chemistry*

52,352

Sep 57

The Polarization of Organic Vapour Fluorescence, by
K. K. Shendrik, A. G. Siryuk, 3 pp.

RUSSIAN, per, Dok.Akad.Nauk SSSR, Vol LXXV, No 5,
1950, pp 665-667.

Nat. Res. Lib. Ottawa, Can.
TT.513

USSR
Scientific - Physics

28,264

Nov 55
CTB/DEK

DAN Vol LXXV No. 5 (11 Dec 1950)

pp 655-8

Proj # 8268

NED

"Mison Effects on Denturium"
m. Markov

(See also SML 53/0524)

Date SR: MAR 1 1951

WK
8 Feb '51.

The Polarization of Organic Vapour Fluorescence,
by K. K. Shendrik, A. G. Siryuk, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk BSSR,
Vol LXXV, No 5, 1950, pp ~~665-667~~.

Sci Mus Lib No 55/1054
Nat Res Lib TT-513

Sci - Chemistry
CTS 71/Aug 1955

25,737

On the Types of the Wear Process Under Conditions of
Dry Friction, by I. V. Kragel'skii and E. M. Shvetsov.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXV, No 5, 1950,
pp 681-683.

TT-64-18379
Brutcher Tr No 2675

USSR

Scientific - Friction, conditions, physics

DAN Vol LXXV No. 5 (11 Dec '50)
pp 685-7

Proj # 8265

ST-256

"The Method of Partial Inversion
in Relay Circuits"
M. A. Gavrilo
G-107 V. A. Khvostichuk

Date SR: **FEB 21 1951**

WX
8 Feb '51

DAN SSSR, LXXVI, No. 5, pp. 701-2

S. S. Nametkin and K. S. Zaborodina, The Connection Between Nitration Reactions and the Oxidation of Saturated Hydrocarbons by Nitric Acid.

pag 7766

FEB 9 1951

Organomagnesium Synthesis of Silicohydrocarbons
Through Secondary β -Halosilanes, by A. D. Petrov,
V. F. Mironov, 6 pp.

RUSSIAN, thrice-no per; Dok Ak Nauk SSSR, Vol LXXV,
1950, pp 707-710.

CIA/FDD X-2889

Sci - Chemistry
May 58

63,112

Catalytic Action of Some Metal Oxides, by
A. A. Krasnovskiy, T. N. Gurevich, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXV, No 5,
1950, pp 715-718.

CIA/FDD XX-1531
NO FOREIGN DISSEM

Sci - M/M

Apr 64

USIB Internal Use Only

255,225

The Question of Dynamic Sorption on a Real
Granular Adsorbent, by O. M. Todes, Ya. M.
Bikson.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXV, No 5, 1950, pp 727-730.

Def Sci Info Sv,
DRS, Canada
T 129 R

13,788

Scientific - Physics

CTS/DEX

DAN

Vol 75, # 5, pp 735-738 (50)

"Role of Subterranean Waters in Formation, Preservation & Destruction of Oil & Gas Deposits (Ters-Daghestan Oil and Gas Bearing Basins)"

G.M. Sukharov

pro: 10162

St-324

26 25 Oct 51

The Proper Values of the Sum and Product of Sym-
metric Matrices, by V. B. Lidskii.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXV, No 6,
1950, pp 769-772.

AEC Tr 1520

Scientific

Brookhaven Nat Lab March 24 1953

627

Quantitative Analysis of the Intensity of the
Infrared Emission of the Night Sky, by I. S.
Belavskii, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXV,
No 6, USSR, 1990, pp 789-792.

CIA/FDD/X-1147

See Astronomy

*T-241-RU
7562*

DAN LXXV No. 6 (21 Dec '50)
pp 793-5

#

7901

NED

"The Discrepancy Between the Half-Life
of H-Captain and the Energy of Gamma
Rays from it" V. Balashov

SR Date: FEB 25wak
27 Jan '51

A Theory of the Crepuscular Phenomena ^{y/} From a
Study of the Secondary Scattering of Light, by
F. F. Yudalevich, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXV, No 6, 1950, pp 799-802.

NLL 5827.4P

CIA/PDD/X-1176

Scientific - Physics
CTB/DEX

8508

Diffusion of Hydrogen in Steel With Different Carbon
Contents During Acid Pickling, by S. A. Balezin,
D. Ya. Solovoi.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXV,
No 6, 1958, pp 811-814.

Brutcher Tr 2667

Scientific - Minerals/Metals

\$3.80

14,452

Contribution to question of Complex Formation
Between Chlorides of Alkali Metals and Alkaline-
earth Metals, by E. P. Dergunov, A. G. Bergman,
7 pp UNCLASSIFIED

RUSSIAN, per, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXV, No 6, 1950, pp 815-818.

Sci Tr E Center
RT-1032

Scientific - ~~MYXHM~~ Chemistry

CTO TT-63-20444.

15,365

Chemical Structure of Hydrocarbons and Rules for
the Heat of Formation, by A. M. Tatevskiy, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXV, No 6, 1950, pp 819-822.

ATS-061740R
CIA/FDD/X-1167

ATS-RJ-2417

Scientific - Chemistry
CTS/DEX

8515

The Mechanism of Anodic Overvoltage in the
Electrolysis of Cryolite-Alumina Melts, by
S. I. Rempel⁰, L. P. Khodak, 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
LXXIV, No 6, 1950, pp 833-835.

Sci Tr Center RT-2097

Scientific - Chemistry
Dec 55 cts/dex

28, 985

Doc at Rank 5550 1.1 2222 2.2 17 175-76 1150
21 001

'Temp. Variation of Sound Intensity',
by J. A. Kerasova

Page 10046
57-389.

SR 23 Oct 51

Migrations and Morphometric Characteristics of the
Western Sakhalin Pink Salmon, by P. A. Dvinin. *ppp*

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXV, No 6, 1950,
pp 863-864.

/ *OTS 60-51139
FL-430

Apr 62

Plant Physiology, By A. N. Alexeyev, A. V. Startseva.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, No 5, 1950,
pp 937-940.

AEC Tr 1053
AEC/UCRL 77

Scientific - Biology Dec 1951 CT8

12,762

The Anomalous Geomagnetic Field and its
Equivalent System of (Electric) Currents in
the World's Oceans, by L. A. Korneva.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXVI, No 1, 1951, pp 49-52.

ATIC F-13-8965/III

Sci - Geophysics
Jun 1956

40,813

AF 1140726-Encl to IR-629-57

In Reference: to Physiological Role of Boron in
Plants - by M. Ya. Shkolnik, M. M. Steklova, 9 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1951, Vol LXXVII,
No 1, pp 137-140.

SLA 59-18555

Sci

Feb 60

Vol 2, No 10

108,795

Concerning the Melting of Ice in the Ground at Negative Temperatures, by Za. Hervesava, 2 pp. UNCLASSIFIED

Full translation.

RUSSIAN, Doc. Dok Ak Nauk SSSR, 1951, pp 507-508.

CoIngrs -8

Sci - Physics, Geophysics

Aug 52 CTS

DEX

Solution of the Inverse Sturm Liouville Problem,
by M. G. Krein.
RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol 76,
No 1, 1951, pp 21-24.
*NASA TT F 13,295

sci/earth sci
oct 70

Geomagnetic Effects of Oceanic and Monsoon-
Path Electric Circulations, by V. V. Shuleikin,
L. A. Korneva.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, No 1,
pp 49-52, 57-60; 1951, Vol LXXX, No 6, pp 879, 880;
1951, Vol CVII, No 5, 679-682, 1956.

AF 1140726 6-1 (t. IR 639-57)
Am Met Society X-126

Sci

Dec 59

DSIR LLH M-1853
(LOAN)

103, 488 4.2977.1
proj 10445 178T 71

Recrystallization of Sustenite Caused by Internal
Stresses, by K. A. Malyshev, V. D. Sadovskiy,
B. G. Sazonov, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, Pt
1951, pp 61-64.

AEC Tr 1949

13,744

Scientific - Physics

Transarylation of Diarylalkylenes, by V. V. Korshak,
G. S. Kolesnikov, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, 1951,
[p 69-72.

SLA R-2778

Sci

Jul 59

92,365

Hydrogenation of Homie Acid Over Nickel Catalyst,
by T. A. Kukhareenko, A. S. Savelev.

RUSSIAN, per, Dok Ak Nauk USSR, Vol 76, No 1,
1951, PP 77-80.

Dept of Interior
TW 857 No 451

184,434

Sci - Chem

Feb 62

Solid Solutions in the System NiO - ZnO - Fe₂O₃ and
CuO - Fe₂O₃, by N. A. Toropov, and A. I. Borisenko.

Full translation.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXVI, No 1,
1951, pp 85-88.

AEC Tr 1437

SSR

Scientific - Chemistry, NiO - ZnO - Fe₂O₃ and CuO -
ZnO - Fe₂O₃

Nov 52 CTS/DEX

Theory of the Long-Range Elastic Deformation of
Rubber, by G. M. Bartenev, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXVI, No 1, 1951, pp 89-92.

NIL 5822.4F

CIA/FDD/X-11807

Scientific - Physics
CTS/DEX

8512

(DC-6928)

THE EFFECT OF ULTRASOUND OF YEASTS, BY
R. S. KATSNEL'SON, M. A. KHENOKH, 5 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL LXXVI,
NO L, 1951, PP 133-135.

JPRS 14675

SCI - PHYS

AUG 62

205,841

62-25634

Kholodnyi, N. G.
SOIL ATMOSPHERE AS A SOURCE OF ORGANIC
PLANT NUTRIENTS (Vozdyshnoe Pitaniye Kornei) tr.
by J. Hardy. [1962] [10]p. (foreign text included)
2 refs. [CSIRO] Trans. no. 5822.
Order from OTS or SLA \$1.10

62-25634

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1951,
v. 76, no. 1, p. 141-144.

DESCRIPTORS: *Soils, Gases, *Organic compounds,
*Nutrition, Physiology, *Plants, Growth, Micro-
organisms, Adsorption.

A series of experiments were carried out over a
period of two years to find out if the soil atmosphere
contain organic substances suitable for feeding the
roots and, if so, the influence they have on the activity
of this organ in higher plants. When the atmosphere in
the soil contains nutrient organic materials, the
(Agriculture--Plant Cultivation, TT, v. 8, no. 8)
(over)

- I. Kholodnyi, N. G.
II. CSIRO Trans-5822
III. Commonwealth Scientific
and Industrial Research
Organization (Australia)
- CS 10/11 5822

Office of Technical Services

Dermal Respiration of Fish, by S. V. Streltsova, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, No 1,
1951, pp 157-160.

SLA 59-15901

Dept of Interior

C273, QH301

10/19/

Sci

Dec 59

Vol 2, No 5

103, 634